ARTICLE I: LICENSES

Section

1-14-1 Licensing of plumbers
1-14-2 Licensing for on-site utility contractors
1-14-3 Licensing of appliance installers
1-14-4 Expiration of licenses
1-14-5 Refusal or revocation of licenses

Cross references:

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Buildings see Chapter 1-6;
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Local laws relating to plumbing, see § 2-10-1;

Water, sewers and drains, see Chapter 2-13;

Water, sewers and sewage disposal, see <u>Chapter 1-18</u>

№ 1-14-1. LICENSING OF PLUMBERS.

- (A) All master plumbers shall make application for a license on forms approved by the administrative authority accompanied by a fee as set by a resolution of the Board of County Commissioners. The "administrative authority" referred to in this chapter is the Director of the Department of Permits and Inspections or an authorized agent of the Director.
- (B) Journeymen plumbers shall make application for a license on forms approved by the administrative authority accompanied by a fee as set by a resolution of the Board of County Commissioners.
- (C) All septic system installers that are not licensed by the county as a master plumber shall make application for a license on forms approved by the administrative authority accompanied by a fee as set by a resolution of the Board of County Commissioners and a performance bond in the amount of \$10,000 conditioned upon the applicant's proper installation of all work. Such bonds when required shall be in a form prescribed by the administrative authority.

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(1959 Code, § 42-16) (Ord. 81-40-230, 11-17-1981; Ord. 91-21-021, 8-8-1991; Ord. 94-20-115, 10-18-1994; Ord. 01-16-290, 7-12-2001; Ord. 10-15-550, 6-8-2010; Ord. 11-22-588, 9-29-2011)
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Statutory reference: State regulation of plumbers, see Md. Ann. Code, Art. 43, § 326

■§ 1-14-2. LICENSING FOR ON-SITE UTILITY CONTRACTORS.

(A) Application: All on-site utility contractors shall make application for a license on forms approved by the administrative authority, accompanied by a fee, which shall be set by resolution of the Board of County Commissioners.

(B) Requirements for license:

- (1) Proof of a minimum of 6 years of supervisory experience in the utility trade, which shall include at least 1 of the following:
 - (a) A notarized letter or certified wage records from a current or former employer; or
- (b) Substantially equivalent documentation or proof of the required experience in a form acceptable to the administrative authority.
 - (2) Proof that the applicant has no outstanding Frederick County Code violations;
- (3) Certification in OSHA subpart "P" in trench safety or proof of a current certificate (license) from another jurisdiction obtained in an equivalent manner acceptable to the Frederick County Advisory Plumbing Board;
 - (4) Certification in OSHA requirements for confined spaces;
- (5) A current certificate of general commercial liability insurance with limits of at least \$300,000 for property damage and \$100,000 for liability (total property damage and liability insurance of at least \$400,000); and
 - (6) A government-issued photo ID.
 - (C) *Scope of work:*
- (1) On-site utility contractors may perform on-site utility work as defined in $\S 2-13-21$ (A) of the public local laws of Frederick County.
- (2) All on-site utility contractor workers performing work on-site must have OSHA training on confined space and trench safety, as defined in § 1-14-2(B)(3) and (4).
- (3) Work must comply with the Frederick County water and sewer specifications and standards for water mains, sanitary sewers and related structures, as well as related code provisions adopted by the Frederick County Board of County Commissioners.

(Ord. 05-34-395, 12-1-2005; Ord. 10-15-550, 6-8-2010)

■§ 1-14-3 LICENSING OF APPLIANCE INSTALLERS.

- (A) *Scope*. Appliances are limited to those that fall within the specific license subcategory classifications of this section. All pressure vessels are excluded and must be installed by a Frederick County- Licensed Master Plumber.
- (B) Application, fee, certificate of insurance. All appliance installers shall make application for a license on forms approved by the Frederick County Advisory Plumbing Board accompanied by:
- (1) A copy of their Maryland state license or a license from a jurisdiction recognized by the State of Maryland;
 - (2) Proof that the applicant has no outstanding Frederick County code violations;
 - (3) A fee as set by resolution of the Board of County Commissioners; and
- (4) A certificate of insurance in the amount of \$300,000 for property damage and liability insurance in the amount of \$100,000, making a total of 400,000 required for property damage and liability insurance.
- (C) *Permit required, issuance.* No plumbing appliance shall be installed without a permit from the Frederick County Department of Permits and Inspection. Such permit shall be issued in accordance with this § 1-14-3, provided that appliances may be installed by either a licensed plumber or licensed appliance installer.
- (D) *Inspection and approval of installations*. All appliance installations shall be inspected and approved under the pertinent provisions of this chapter.
- (E) All appliance installers shall have their service vehicles labeled with their name as it appears on their state license and their state and county license numbers.
- (F) Subcategory of appliance installers license. Only those subcategory licenses listed below are permitted.
 - (1) LP gas appliance installers license.
 - (a) Requirements for license.
 - 1. A valid:
 - A. Propane gas fitters certificate issued by the State of Maryland; or
- B. LP gas license issued by any other jurisdiction and recognized by the State of Maryland; and

- 2. Insurance as required by $\S \frac{1-14-3}{8}$.
- (b) *Scope of work.*
- 1. All permits must be secured by a Frederick County-licensed LP gas appliance installer.
- 2. All journeypersons will be licensed in accordance with $\frac{1-14-1}{(B)}$ of this chapter.
 - (2) Natural gas appliance installers license.
 - (a) Requirements for license.
- 1. A valid natural gas license issued by: any jurisdiction and recognized by the State of Maryland; W.S.S.C.; Baltimore County; or Baltimore City; and
 - 2. Insurance as required by $\S 1-14-3(B)$.
 - (b) Scope of work.
- 1. All permits must be secured by a Frederick County-licensed natural gas appliance installer.
- 2. All journey persons will be licensed in accordance with $\frac{1-14-1}{B}$ of the Plumbing Ordinance.
 - (3) Pool installers license.
 - (a) Requirements for license.
 - 1. A Maryland Home Improvement Contractor's License; and
 - 2. Insurance as required in § 1-14-3(B).
 - (b) *Scope of work.*
- 1. A pool installers license permits the installation of a backflow device to an existing hose bib for a residential pool, hot tub, or spa.
- 2. Commercial installations and installations of new water lines under a pool installers license are prohibited.
 - (4) Water treatment installers.
 - (a) Requirements for license.

- 1. A water conditioner installer or well driller in the water supply category, as licensed by the State of Maryland Board of Well Drillers. No additional county license is required.
 - (b) *Scope of work.*
- 1. Water treatment appliances shall be installed only on existing water and sewer systems.
- 2. All journey persons will be licensed in accordance with $\frac{1-14-1}{B}$ of the Plumbing Ordinance.

(Ord. 10-15-550, 6-8-2010)

■§ 1-14-4 EXPIRATION OF LICENSES.

All licenses issued in accordance with this article shall expire on November 13th of the next odd-numbered year after the date of initial issuance. Any license not renewed by the expiration date will require the payment of a late fee as established by resolution of the Board of County Commissioners, in addition to the renewal fee.

(Ord. 10-15-550, 6-8-2010)

Any license may be refused or revoked by the administrative authority in the event it is shown that such applicant is either unable or unwilling to properly perform the work. This action can be appealed to the Frederick County Advisory Plumbing Board, which action is stayed until after the Board's decision on appeal.

(Ord. 10-15-550, 6-8-2010)

§§ 1-14-6 – 1-14-18. RESERVED.

ARTICLE II: PLUMBING INSPECTOR

Section

- <u>1-14-19</u> Administration and enforcement
- <u>1-14-20</u> Qualifications; conduct
- <u>1-14-21</u> Duties
- <u>1-14-22</u> Right of entry; power to stop work

Cross reference:

Departments of Permits and Inspections, see §§ <u>1-2-49</u> et seq.

■§ 1-14-19. ADMINISTRATION AND ENFORCEMENT.

This article shall be administered and enforced by the Department of Permits and Inspections, hereinafter referred to as the "Department." The qualifications of the Chief Plumbing Inspector and all other persons hired as Plumbing Inspectors shall be as prescribed in the job descriptions on file in the Human Resources Department of Frederick County, Maryland. Nothing herein shall prohibit County Electrical or Building Inspectors from performing residential plumbing inspections so long as the Inspectors are properly qualified, trained and supervised.

(1959 Code, § 42-5) (Ord. 88-30-507, 6-21-1988; Ord. 08-28-504, 11-25-2008)

■§ 1-14-20. QUALIFICATIONS; CONDUCT.

No person shall be appointed Chief Plumbing Inspector unless he or she shall hold a license as a Master Plumber in the state. No Plumbing Inspector, including the Chief Plumbing Inspector, may be engaged in or financially interested in the plumbing business or the sale of any plumbing supplies, nor act as an agent, whether directly or indirectly, for any person so engaged.

(1959 Code, § 42-6) (Ord. 85-35-367, 9-3-1985; Ord. 08-28-504, 11-25-2008)

№ § 1-14-21. DUTIES.

It shall be the duty of all qualified Inspectors to see that all work covered by this chapter is executed by persons properly qualified under this chapter and to report any violation to the proper officials for appropriate action. Qualified Inspectors shall inspect all constructions controlled under this chapter and see that it is done in accordance with the adopted code.

(1959 Code, § 42-7) (Ord. 08-28-504, 11-25-2008)

凤§ 1-14-22. RIGHT OF ENTRY; POWER TO STOP WORK.

Qualified Inspectors, in the discharge of their official duties, and upon proper identification, shall have the authority to enter any buildings, structures or premises at any reasonable hour and are empowered to order work stopped that is not in conformity with this chapter and to require the person doing the work to correct the same.

(1959 Code, § 42-8) (Ord. 08-28-504, 11-25-2008)

§§ 1-14-23 – 1-14-35. RESERVED.

ARTICLE III: ADVISORY PLUMBING BOARD

Section

<u>1-14-36</u>	Established
1-14-37	Members
<u>1-14-38</u>	Duties as to Plumbing Code
1-14-39	Meetings; review of plumbers' credentials; list of plumbers
1-14-40	Duties as to Board of Arbitration
<u>1-14-41</u>	Authority to create by-laws

Statutory reference:

Plumbing Board required, see Md. Ann. Code, Art. 25, § 3(s)(1)

■§ 1-14-36. ESTABLISHED.

There is hereby established an Advisory Plumbing Board.

(1959 Code, § 42-2) (Ord. 01-16-290, 7-12-2001)

■§ 1-14-37. MEMBERS.

The Advisory Plumbing Board shall consist of a person designated by the Frederick County Health Officer, 2 state or county licensed plumbers, and 2 other persons; all members shall be appointed by the Board of County Commissioners. The Board shall be appointed for staggered 4 year terms of office. At the end of a term, a member continues to serve until a successor qualifies and is appointed. A member who is appointed after a term has begun will serve only for the remainder of the term and until a successor qualifies and is appointed.

(1959 Code, § 42-2) (Ord. 01-16-290, 7-12-2001; Ord. 08-28-504, 11-25-2008)

■§ 1-14-38. DUTIES AS TO PLUMBING CODE.

The Advisory Plumbing Board shall assist the Plumbing Inspector in the promulgation and enforcement of the Plumbing Code and shall recommend changes in the Plumbing Code to the Board of County Commissioners. Such changes shall not become effective until approved by the Board of County Commissioners.

(1959 Code, § 42-2) (Ord. 01-16-290, 7-12-2001)

№ § 1-14-39. MEETINGS; REVIEW OF PLUMBERS' CREDENTIALS; LIST OF PLUMBERS.

The Advisory Plumbing Board shall meet at such times as may be necessary but at least once during any 6 month period. They may review the credentials and licenses issued by the Department to any person.

(1959 Code, § 42-3) (Ord. 01-16-290, 7-12-2001; Ord. 08-28-504, 11-25-2008; Ord. 10-15-550, 6-8-2010)

凤 § 1-14-40. DUTIES AS BOARD OF ARBITRATION.

The Advisory Plumbing Board shall sit as a board of arbitration with respect to any disputes that may arise involving an interpretation of the Plumbing Code or of the rules and regulations promulgated hereunder. Any person who requests a hearing before the board shall pay a fee as set by resolution of the Board of County Commissioners, prior to the scheduling of such hearing. A hearing request shall be submitted 15 days prior to the hearing date.

(1959 Code, § 42-4) (Ord. 01-16-290, 7-12-2001; Ord. 10-15-550, 6-8-2010)

■§ 1-14-41. AUTHORITY TO CREATE BY-LAWS.

The Advisory Plumbing Board shall have the authority to establish, implement, and amend, as necessary, bylaws for its operation.

(Ord. 10-15-550, 6-8-2010)

§§ 1-14-42 – 1-14-55. RESERVED.

ARTICLE IV: PLUMBING CODE

Section

1-14-56 Adoption
 1-14-57 Amendments
 1-14-58 Well system installation; saddle valves
 1-14-59 Condemned equipment

№ 1-14-56. ADOPTION.

There is hereby adopted by the Board of County Commissioners those certain plumbing regulations known as the 2012 Edition of the International Plumbing Code, and the whole

thereof; and the same is hereby adopted, ratified and incorporated as fully as if set out at length herein subject to the local amendments described below in § 1-14-57.

(1959 Code, § 42-1) (Ord. 81-40-230, 11-17-1981; Ord. 85-35-367, 9-3-1985; Ord. 91-30-030, 11-12-1991; Ord. 99-11-238, 7-29-1999; Ord. 02-08-304, 4-4-2002; Ord. 05-33-394, 11-29-2005; Ord. 08-16-492, 6-17-2008; Ord. 10-15-550, 6-8-2010)

Statutory reference:

Power of Board of County Commissioners to adopt Plumbing Code, see Md. Ann. Code, Art. 25, § 3(s)(1), Art. 43, § 325C

■§ 1-14-57. AMENDMENTS.

The International Plumbing Code is hereby amended and changed as described and shown below.

Section 101 is hereby amended as follows:

101.2 Scope. The exception is hereby deleted.

Section 103 is hereby deleted in its entirety.

Section 104 is hereby amended as follows:

104.2 Applications and Permits. The administrative authority shall receive applications and issue permits for the installation and alteration of plumbing systems, inspect the premises for which such permits have been issued, and enforce compliance with the provisions of this code.

Section 106 is hereby deleted in its entirety.

Section 108 is hereby deleted in its entirety.

Section 109 is hereby deleted in its entirety.

Section 202 is hereby amended as follows:

Administrative Authority: Is the Director of the Department of Permits and Inspections, or an authorized agent of the Director.

Building Drain: That part of the lowest piping of a drainage system that receives the discharge from soil, waste and other drainage pipes inside and that extends five (5) feet (1524 mm) beyond the walls of the building and conveys the drainage to the building sewer.

Subsection 305.4 is hereby amended as follows:

305.4 Freezing. A water, soil or waste pipe shall not be installed outside of a building, in attics or crawl spaces; concealed in outside walls, or in any other place subjected to freezing temperature unless adequate provision is made to protect them from freezing by insulation or heat or both. Water service pipe shall be installed not less than thirty-six (36) inches (915 mm) deep or less than six (6) inches (152 mm) below the frost line.

Subsection 305.4.1, Sewer depth is hereby deleted in its entirety.

Subsection 306.3 is hereby amended to add the following text:

ABS and PVC shall be bedded in maximum three-quarter-inch stone to a depth of six (6) inches under the pipe and covered to a depth of twenty-four (24) inches above the pipe.

Subsection 312.10.1 is hereby deleted in its entirety.

Subsection 312.10.2 is hereby amended by adding the following text.

- (a) Copies of test reports for the initial installation shall be sent to the administrative authority and the water supplier. Copies of annual test reports shall be sent to the water supplier.
- (b) Testing, inspection and repair of devices shall be performed by certified individuals approved by an agency acceptable to the administrative authority. Certification for testing shall be in accordance with a nationally recognized accredited training program. Certification shall include not less than 32 hours of combined classroom and practice training and successful completion of a written and practical examination.
- (c) Double check valves and reduced pressure principal valves: Such devices shall be installed at not less than 12 inches above the floor with the maximum of 60 inches above floor. All test reports shall be made on Frederick County forms and the device shall be tagged with a Frederick County pink card.
- (d) Where a continuous water supply is critical and cannot be interrupted for the periodic testing of a backflow prevention device, multiple backflow prevention devices or other means of maintaining a continuous supply shall be provided.

Subsection 403.1.1 is hereby amended by adding the following text.

(a) In new construction for assembly and mercantile occupancies, an accessible unisex toilet may be provided where an aggregate of six or more male or female water closets are required. In buildings of mixed occupancy, those water closets required for the assembly or mercantile portion of the occupancy would be used to determine the ability to make use of the unisex toilet room option. The inclusion of the one accessible unisex toilet room shall be allowed to replace both one male and one female toilet.

- (b) Unisex toilet rooms shall comply with this section and the requirements for accessible toilet rooms as per standards prescribed in the International Building Code, except where a more stringent requirement is found in COMAR 05.02.02 Maryland Accessibility Code.
 - (c) Unisex toilet rooms shall include only one water closet and only one lavatory.
- (d) Unisex toilet rooms shall be located on an accessible route. Unisex toilet rooms shall be located not more than one story above or below separate-sex toilet rooms. The accessible route from any separate-sex toilet rooms to a unisex toilet room shall not exceed 500 feet/152.4m.
- (e) Unisex toilet rooms shall be designated by accessible signs. Directional signage shall be provided at all separate-sex toilet rooms indicating the location of the nearest unisex toilet room.

Section 404 is hereby deleted in its entirety.

New section 404 to read as follows:

Section 404 Accessible Plumbing Facilities: Plumbing fixtures and installation shall conform to the requirements of the International Building Code except where a more stringent requirement is found in the Code of Maryland Regulations 05.02.02 Maryland Accessibility Code.

Section 410.1 is hereby amended as follows:

410.1 Approval. Drinking fountains shall conform to ASME A112.19.1, ASME A112.19.2, or ASME A112.19.9M, and water coolers shall conform to ARI 1010. Drinking fountains and water coolers shall conform to NSF 61, Section 9. Where water is served in restaurants, drinking fountains shall not be required. In other occupancies where drinking fountains are required, water coolers or bottled water dispensers shall not be permitted to be substituted for the required drinking fountains.

Subsection 412.4 is hereby amended: Public Laundries, central washing facilities, commercial kitchens and toilet rooms and to add the following text:

Floor drains shall be located in toilet rooms containing two (2) or more water closets or a combination of one water closet and one urinal, except in dwelling units. Floor drains shall be required in commercial kitchens.

Subsection 415 is hereby amended to add the following new subparagraphs:

415.3 Prohibited locations. Laundry trays and mop sinks shall not be located in, nor accessed through, public restrooms.

415.4 Wall area. The wall area around mop sink basins shall be constructed of smooth waterproof materials to a minimum height of 36", but no less than the height of the faucet. Waterproofing materials of epoxy or paint coatings are prohibited.

Subsection 417.1 is hereby amended to add the following text:

Fiberglass or plastic tub and shower enclosures cannot be installed with faucets back to back unless approved by administrative authority.

Subsection 417.4.1 is hereby amended to add the following text:

No windows shall be in the 70-inch wall area. Waterproofing materials of epoxy or paint coatings are prohibited.

Subsection 419.3 is hereby amended to add the following text:

Waterproofing materials of epoxy or paint coatings are prohibited.

Section 501.2 is hereby deleted in its entirety.

New subsection 501.2 to read as follows:

501.2 Water heater as space heater.

- (a) The installation of any system or equipment utilizing water heaters to provide heat must be installed by a person who is licensed to perform the work in Maryland and who has obtained the necessary local permits for such installations.
 - (b) This section is applicable to:
- 1. A combination heating system, which is installed as a unit and incorporates a water heater as an integral part of the system, to provide the primary heat source to the dwelling;
- 2. Pieces of equipment sold as an add-on to an existing heating system for the purpose of providing supplemental heat, and are attached to a water heater containing water, which may later be expected to be used as potable water.
 - (c) All installations shall comply with the following:
- 1. Combination water/space heating equipment, materials and components shall be suitable for use with potable water and listed for such use;
- 2. Water heaters, piping and components connected for a space heating application shall be properly sized and installed according to manufacturer's instructions;

- 3. Water heaters used in combination water/space heating systems shall be listed as complying with American National Standards (ANSI) Z21.101, Z21.10.3 or UL732, as applicable;
- 4. A water temperature control value shall be installed with every installation utilizing a combination water heating/space heating system application to limit domestic hot water temperature safe for ordinary domestic use by individuals;
- 5. The installer must disinfect and certify the water system whenever required by the administrative authority under Section 610 of International Plumbing Code;
- 6. The system shall be equipped with a means for periodic circulation between the water heater and the exchanger during off seasons;
- 7. An acceptable means shall be provided to prevent thermal circulation through the exchanger during off seasons, except circulation necessary to comply with subparagraph (6);
- 8. A copy of the documentation to support the requirements of these subparagraphs shall be available for an Inspector's review during inspections and shall remain with the unit;
- 9. For all such devices used in Maryland, an informational sheet shall be provided that outlines all of the requirements of this subsection.

Subsection 603.2 is hereby deleted in its entirety. New subsection 603.2 to read as follows:

603.2 Separation of water service and building sewer. The water service pipe and building drain or building sewer shall not have less than one foot horizontal distance between the piping.

604.8 is hereby amended as follows:

604.8 Water pressure reducing valve or regulator. Where water pressure within a building exceeds sixty (60) psi static, an approved water pressure reducing valve conforming to ASSE 1003 with strainer shall be installed to reduce the pressure in the building water distribution piping to sixty (60) psi static or less. Exception to the requirement are service lines to sill cocks and outside hydrants, and main supply risers where pressure from the mains is reduced to sixty (60) psi or less at individual fixtures.

Subsection 605.3 is hereby amended to add the following text:

All copper tube used underground shall be Type K copper. When using insert fittings on plastic water service the size of the pipe shall be no less than one inch. The fittings used shall be made of brass or stainless steel and shall be used with stainless steel bands. Delete from Table 605.3 water service pipe type L, WL, M or WM copper tubing. A minimum diameter of a one inch pipe shall be used for connection from submersible pump to a storage tank as part of a well system installation.

Table 605.4 is hereby amended to delete the following text:

Type M or WM copper tube.

Subsection 606.1, Location of full-open valves, is hereby amended to add a new subparagraph:

9. After tee for sprinkler system on the domestic side.

Subsection 606.5.8 is hereby amended to add the following text:

Any pressure tank installed in a basement and/or crawl space shall be a minimum of seven and one-half (7½) inches above finished grade. All water pressure tanks and apparatus for mobile homes shall be installed in the confines of the living space. In every case, the only exception shall be those tanks installed a minimum of eighteen (18) inches from the top of the tank to finished grade in an approved manhole with water tight lid, a minimum of six (6) inches above finished grade.

Subsection 606.8 is hereby added as follows:

Subsection 606.8 Dead ends. In the installation or removal of any part of the water distribution system, dead ends shall be prohibited. Future water distribution piping shall be allowed when valves are provided within 2 feet (610 mm) of the branch tee and are tagged as to their purpose. Valves shall be kept in the closed position following testing.

Subsection 608.16.4, Connections to automatic fire sprinkler systems and standpipe systems, is hereby amended to delete exceptions (1.) and (2.).

Subsection 608.16.4 is hereby amended to add the following:

In 1 and 2 family dwellings the type of backflow preventer required shall be an ASSE 1024 dual check valve.

Subsection 608.17 is hereby deleted in its entirety.

Section 701.2 Sewer required is hereby deleted and replaced with the following:

Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a public sewer, where available, or an approved private sewage disposal system in accordance with Code of Maryland (COMAR) regulations.

Subdivision 701.9 is hereby amended to add the following text:

Food or drink shall not be stored, prepared or displayed beneath overhead sewer or drain pipes unless such pipes are protected against leakage or condensation reaching the food or drink as described below for new construction. In newly constructed or remodeled establishments, soil

or drain pipes located over food preparation, storage, display or serving areas are undesirable. Where building design requires that soil or drain pipes be located over such areas, the installation shall be made with the least possible number of joints and shall be installed so as to connect to a vertical stack at the nearest wall or vertical building support and the construction shall be performed as follows:

- a. All openings through floors over such areas shall be provided with sleeves securely bonded to the floor construction and projecting not less than three-quarters inch above top of the finished floor with space between sleeve and pipe or duct sealed.
- b. Floor and shower drains installed above such areas shall be equipped with integral seepage pans.
- c. Plumbing fixtures in rooms located above such areas shall be of the wall mounted type except bathtubs. Tubs shall have waste and overflow connections made above floor and piped to the trap below the floor. Connections through floors and to traps shall conform with all other provisions of this regulation. No floor openings, other than sleeve for waste pipe, will be permitted for tubs.
- d. All other soil or drain pipes shall be of an approved material as listed in Table 702.1 and Section 702. All materials shall conform to established standards. Cleanouts shall be extended through the floor construction above.
- e. Soil and drain pipes located above such area shall be subjected to a standing water test of not less than twenty-five (25) feet.
- f. Piping subject to operation at temperatures that will form condensation on the exterior of the pipe shall be thermally insulated.
- g. Where pipes are installed in ceilings above such areas, the ceiling shall be of the removable type, or shall be provided with access panels in order to form a ready access for inspection of piping.
- h. In lieu of the above, any other method may be approved by the administrative authority.

Table 710.1(1) is hereby amended to read as follows:

Footnote a. The minimum size of any building sewer shall be four (4) inches in diameter to the inside of the building.

Subsection 904.3.1 is hereby added as follows:

904.3.1 Roof extension. All open vent pipes that extend through roof shall be terminated at least 6 inches above the roof, except that where a roof is to be used for any purpose other than

weather protection, the vent extensions shall run at least 7 feet (2134 mm) above the roof. All stacks that terminate through roof shall have no offsets more than 45 degree angle.

Section 918.1 is hereby amended to read as follows:

918.1 General. Air admittance valves shall only be installed with the approval of the administrative authority. Where approved, vent systems utilizing air admittance valves shall comply with this section. Stack-type air admittance valves shall conform to ASSE 1050. Individual and branch-type air admittance valves shall conform to ASSE 1051.

Section 1003.3.4, Grease interceptors, is hereby replaced with the following:

Grease interceptors and automatic grease removal devices shall be sized by a registered design professional or master plumber in accordance with PDI G101, ASME A112.14.3 Appendix A, or ASME A112.14.4. Grease interceptors and automatic grease removal devices shall be designed and tested in accordance with PDI G101, ASME A112.14.3 or ASME A112.14.4. Grease interceptors and automatic grease removal devices shall be installed in accordance with the manufacturer's instructions. Grease interceptors and automatic grease removal devices shall be located as close as possible to the grease source.

Section 1003.4. Add the following text after subsection 1003.4.

Interceptors.

- A. In a structure where a public sanitary sewer is available, the waste pipe from oil and sand interceptors shall discharge, if installed, into the public sanitary sewer, or any more restrictive manner as otherwise mandated by an applicable administrative authority.
 - B. New construction.
- 1. Any new construction of a structure, where public sanitary sewers are not available, shall have the option to either:
- (i) Construct the structures without any floor drains; structures without floor drains must operate to minimize waste and prevent wastewater from leaving the shop area and discharging to the environment; or
- (ii) If drains are included, ensure that each drain shall flow into an approved sand interceptor which shall drain into a 1,000 gallon or larger approved holding tank.
 - 2. An oil and water separator is not required when the waste discharges into a holding tank.
 - C. Existing structures.
- 1. In areas where public sanitary sewers are not available, existing structures that are being renovated or enlarged shall either:

- (i) Permanently plug all existing floor drains; structures which plug their floor drains must notify the Maryland Department of Environment, Ground Water Permits Program, prior to drain closure, and must operate to minimize waste and prevent wastewater from leaving the shop area and discharging to the environment, or
- (ii) retrofit all existing floor drains so as to allow them to flow into an approved sand interceptor which shall drain into a 1,000 gallon or larger approved holding tank which is equipped with a high level alarm.
 - 2. An oil and water separator is not required when the waste discharges into a holding tank.
- D. If an underground tank is installed, it shall be corrosion protected and designed according to COMAR 26.10.03.
- E. Any new construction of a structure or renovation of an existing structure which discharges liquid wastes as described in Section 1003 of International Plumbing Code or which discharges other industrial waste waters shall have the option of discharging into an on-site subsurface disposal system, providing the facility's owner/operator applies for and obtains from the Maryland Department of Environment a water discharge permit issued pursuant to the provisions and conditions of COMAR 26.08.01–26.08.04.

Where approved and approved point of discharge.

- A. Sand and oil interceptors shall be provided wherever floors, pits, or surface areas subject to the accumulation of grease or oil from service or repair operations are drained or washed into a drainage system. Such locations include, but are not limited to: car or truck washing facilities, engine cleaning facilities, and similar operations. Drainage from such locations shall be connected to the sanitary sewer.
- B. Drains shall not be required in service or repair garages employing dry absorbent cleaning methods; however, if any drains are located in such areas, they shall discharge to the sanitary sewer through sand and oil interceptors.
- C. Drains shall not be required in parking or service garages unless the garage or portions thereof is equipped with provisions for either washing vehicles or rinsing the floor. Where such cleaning facilities are provided the area subject to waste drainage shall be provided with a system of one or more floor drains, complete with sand and oil interceptors, and the drainage from the oil interceptor shall be connected to the sanitary sewer. Any storm water shall be drained separately and directly to the storm sewer.
- D. The waste oil tank used with the oil interceptor shall not be used to store or contain any other waste oil or hazardous fluid. Crankcase oil cannot be dumped into or stored in this waste oil tank.

Subsection 1003.4.2.1 is hereby amended to add the following text.

- A. Oil separators shall have a 3" minimum discharge line and a 2" minimum vent to atmosphere. The discharge line shall have a full-size cleanout extended to grade.
- B. The oil draw-off or overflow from oil separators shall be connected to an approved waste oil tank meeting the environmental requirements of the administrative authority. The waste oil from the separator shall flow by gravity or may be pumped to a higher elevation by an automatic pump. Pumps shall be adequately sized, explosion-proof and accessible. Waste oil tanks shall have a 2" minimum pump out connection and a 1-1/2" minimum vent to atmosphere and shall be equipped with a high level alarm.
- C. Where oil separators are subject to backflow from a sewer or other point of disposal, their discharge line shall include a backwater valve installed in accordance with the requirements of Section 715.
- D. Oil interceptors, waste oil tanks, oil pump out connections, backwater valves, and atmospheric vent piping shall be permanently identified by suitable labels or markings.
- E. Combination oil and sand interceptor may be installed if approved by the administrative authority.

Subsection 1003.5 is hereby amended to add the following text:

- A. A sand interceptor shall be provided upstream from each oil interceptor, except when combination oil and sand interceptor is used.
- B. When the discharge of a drain may contain solids or semi-solids that would either be harmful to the drainage system or tend to obstruct the system, the drain shall discharge through a sand interceptor.
- C. Sand interceptors shall be constructed of concrete, brick, fabricated coated steel, or other watertight material and shall be internally baffled to provide an inlet section for the accumulation of sediment and a separate outlet section.
- D. The outlet pipe of the sand interceptor shall be the same size as the drain served (or inlet pipe to the oil separator). The internal baffle in the interceptor shall have two tip skimming openings, each the same size as the outlet pipe and at the same invert elevation as the outlet opening. The openings in the baffle shall be offset to prevent straight-line flow through the interceptor from any of its inlets to its outlet.
- E. The inlet to the interceptor shall be at the same elevation as or higher than the outlet. The bottom of the inlet section shall be at least 24 inches below the invert of the outlet pipe.
- F. The bottom of the inlet section shall be at least 2 feet wide and 2 feet long for flow rates up to 20 gallons per minute. The bottom of the inlet section shall be increased by 1 square foot for each 5 gpm of flow or fraction thereof over 20 gpm. The area of the bottom of the outlet section shall be not less than 50" of the area of the bottom of the inlet section.

G. The outlet section shall be covered by a solid removable cover. The inlet section shall be covered by an open grating suitable for the traffic in the area in which it is located. Covers shall be set flush with the finished floor.

Subsection 1003.9 is hereby amended to add the following text:

Vapor venting:

The atmospheric vents from oil separators and their waste oil tanks shall be separate from other plumbing system vents and shall be extended to an approved location at least 12 feet above grade or the surrounding area.

Section 1201 is hereby deleted in its entirety.

New Section 1201 is hereby added to read as follows:

Section 1201. Installation of gas appliances and gas piping. All installations of gas appliances and gas piping shall conform to requirements contained in the International Fuel Gas Code, 2012 which is incorporated by reference. For installation of elevated 2 psig gas pressure use guidelines for copper tubing natural gas systems manual, incorporated by reference.

Section 1303.6 is hereby deleted in its entirety.

New Section 1303.6 is hereby added to read as follows:

Section 1303.6 Estimating gray water discharge. The system shall be sized in accordance with all applicable requirements of COMAR 26.04.02.

Section 1303.7 is hereby deleted in its entirety.

New Section 1303.7 is hereby added to read as follows:

Section 1303.7 Percolation Tests. The permeability of the soil shall be determined in accordance with all applicable requirements of COMAR 26.04.02.

Section 1303.8 is hereby amended to read as follows:

...The soil absorption system shall be located with a minimum horizontal distance between various elements in accordance with all applicable requirements of COMAR 26.04.02.

Table 1303.8 is hereby deleted in its entirety.

Section 1303.9 is hereby deleted in its entirety.

New Section 1303.9 is hereby added to read as follows:

Section 1303.9 Installation. Absorption systems shall be installed in accordance with all applicable requirements of COMAR 26.04.02.

Table 1303.9 is hereby deleted in its entirety.

Section 1303.10 is hereby deleted in its entirety.

New Section 1303.10 is hereby added to read as follows:

Section 1303.10 Distribution piping. Distribution piping shall be installed in accordance with all applicable requirements of COMAR 26.04.02.

Chapter 1 of the 2012 International Fuel Gas Code is hereby deleted in its entirety.

The following incorporation by reference is hereby added:

COMAR 26.04.02 Sewage Disposal and Certain Water Systems for Homes and Other Establishments in the Counties of Maryland Where Public Sewage System Is Not Available.

COMAR 26.04.03 Water Supply and Sewage Systems in the Subdivisions of Land in Maryland.

The following requirements for show rooms, offices, shops and trucks is hereby added:

Subsection 1-14-1(f). Licensing of plumbers. Every person who holds himself or herself out to the public as a master plumber by advertising, telephone directory listing, business card, stationary, or any exhibit, shall display in a conspicuous place at his or her principal place of business and on all vehicles used for plumbing work by him or her or under his or her direction and control:

- 1) The name or names of each registered master plumber;
- 2) The words "registered plumber" or "registered plumbers;"
- 3) The Maryland State Certificate Number or Numbers; and
- 4) The Frederick County Certificate Number.

(1959 Code, § 42-1) (Ord. 85-35-367, 9-3-1985; Ord. 86-29-406, 5-27-1986; Ord. 88-30-507, 6-21-1988; Ord. 91-30-030, 11-12-1991; Ord. 94-20-115, 10-18-1994; Ord. 99-11-238, 7-29-1999; Ord. 02-08-304, 4-4-2002; Ord. 05-33-394, 11-29-2005; Ord. 08-16-492, 6-17-2008; Ord. 10-15-550, 6-8-2010; Ord. 11-22-588, 9-29-2011)

凤§ 1-14-58. WELL SYSTEM INSTALLATION; SADDLE VALVES.

- (A) Anything to the contrary notwithstanding in the state plumbing regulations, a minimum diameter of a 1-inch pipe shall be used for connections from submersible pumps to a storage tank as part of a well system installation.
- (B) The use of saddle valves may be allowed on humidifiers and ice-makers if the appliance manufacturer recommends the use of saddle valves.

(1959 Code, § 42-20.1)

凤§ 1-14-59. CONDEMNED EQUIPMENT.

The Plumbing Inspector shall condemn any used plumbing material or equipment which is so worn, damaged, defective or constructed as to constitute a sanitary or safety hazard and such condemned material or equipment shall not be reused for plumbing purposes. Where in the opinion of the Plumbing Inspector condemned material or equipment should be destroyed to prevent its reuse, he may order such destruction.

(1959 Code, § 42-22)

§§ 1-14-60 – 1-14-89. RESERVED.

ARTICLE V: SCOPE AND ADMINISTRATION

Section

<u>1-14-90</u>	Permits required
1-14-90.1	Exempt work
1-14-90.2	Refusal
<u>1-14-91</u>	Application generally
1-14-91.1	Special provisions for homeowners
<u>1-14-92</u>	[Reserved]
<u>1-14-93</u>	Special provisions for public water and sewer systems
<u>1-14-94</u>	Fees
<u>1-14-95</u>	Transfer
<u>1-14-96</u>	Expiration

- <u>1-14-97</u> Suspension or revocation
- <u>1-14-98</u> Civil plumbing infractions
- 1-14-99 Penalties

Cross reference:

Local law relating to permits, see § 2-13-21

Statutory reference:

Permits, see Md. Ann. Code, Art. 25, $\S 3(s)(1)$

凤§ 1-14-90. PERMITS REQUIRED.

Except as specifically provided in § 1-14-90.1, no person shall perform any plumbing work as defined in the Plumbing Code adopted in this chapter or install any plumbing appliance which affects or connects with any water supply, sewage disposal or plumbing system or appliances connected with any water or sewer system without a permit issued by the administrative authority.

(1959 Code, §§ 42-9, 42-14; 1981, Chapter 222, § 1; Ord. 91-30-030, 11-12-1991; 1992, Chapter 52, § 1; Ord. 94-20-115, 10-18-1994; Ord. 10-15-550, 6-8-2010; Ord. 11-05-571, 3-15-2011)

№ 1-14-90.1. EXEMPT WORK.

- (A) The following work shall be exempt from the requirement for a permit:
- (1) The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered new work which is not exempt, and a permit shall be obtained and inspection made as provided in this chapter.
- (2) The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures. The replacement of fixtures including but not limited to faucets and water closets, provided such repairs or replacements of fixtures do not involve or require the replacement or rearrangement of concealed valves, pipes or fixtures.
- (3) The replacement of a dishwasher, garbage disposal, washing machine, or water closet (toilet) with a like-kind plumbing fixture or appliance in an owner-occupied residential dwelling unit or associated residential accessory structure by the owner or by a licensed master plumber. For purposes of this subsection, a "like-kind plumbing fixture or appliance" shall have the same mechanical and electrical ratings as the plumbing appliance being replaced.

- (4) The replacement of an electric water heater with a like-kind electric water heater by a licensed master plumber in an owner-occupied residential dwelling unit or associated residential accessory structure. For purposes of this subsection, a "like-kind electric water heater" shall have the same mechanical and electrical ratings as the water heater being replaced. Replacement of gas water heaters is not exempt from the permit requirement.
- (B) Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in violation of the provisions of this code or any other applicable laws or ordinances.

(Ord. 10-15-550, 6-8-2010; Ord. 11-05-571, 3-15-2011)

№ 1-14-90.2 REFUSAL.

The administrative authority may refuse to issue new permits to any person who has not: corrected previous code violations, recognized their responsibility, and/or agreed to correct such violations within a reasonable time; or to any person who has not made proper appeal application if there is a dispute as to whether a violation has occurred.

(Ord. 10-15-550, 6-8-2010)

凤§ 1-14-91. APPLICATION GENERALLY.

Application for a permit for plumbing work shall be made on forms prepared and provided by the Department of Permits and Inspections. All applications must be accompanied by the appropriate fee computed in accordance with the schedule of fees set forth in this article. Such applications must be signed by the master plumber holding a county plumbing license and doing the work. Such application shall give the location and description of the property and the description of the proposed plumbing work. If, in the opinion of the Plumbing Inspector, the description is not adequate to cover the proposed work, 2 sets of plans in such detail as is necessary must be submitted to the Plumbing Inspector when application is made. All plans shall be in accordance with the Plumbing Code.

(1959 Code, § 42-11) (Ord. 10-15-550, 6-8-2010)

■§ 1-14-91.1. SPECIAL PROVISIONS FOR HOMEOWNERS.

If the plumbing permit is for work to be done by the property owner himself, such permit shall not be issued unless such property owner signs a homeowner's affidavit stating that the owner occupies or will immediately occupy the house himself. The licensing provisions of § 1-14-1 shall not apply to the owner of a residential single family dwelling wherein the owner resides or is about to reside, who obtains a homeowner's plumbing permit. To obtain this permit the owner must sign a homeowner's affidavit on file in the Office of Permits and Inspections, and successfully pass with a grade of 70% or more an examination, which will consist of 10 code questions. This examination will be given in the Office of Permits and Inspections and will be an open book examination but without the assistance of any other person. This examination will not

be allowed to be taken outside of the Office of Permits and Inspections. The questions for the examination will be determined by the Chairperson of the Advisory Plumbing Board, the Chief Plumbing Inspector, and the administrative authority. The owner will be required to produce a photo identification before being allowed to take the examination. The owner of a residential dwelling who signs a homeowner's affidavit for a plumbing permit, after successfully passing an examination, shall have the permit granted. The owner can do plumbing work except for natural and propane gas piping. All such private work must be inspected and meet all requirements of this chapter before it is ready for use or the work covered or closed.

(1959 Code, § 42-10) (Ord. 94-20-115, 10-18-1994; Ord. 99-11-238, 7-29-1999; Ord. 01-16-290, 7-12-2001; Ord. 10-15-550, 6-8-2010)

■§ 1-14-92. [RESERVED.]

■§ 1-14-93. SPECIAL PROVISIONS FOR PUBLIC WATER AND SEWER SYSTEMS.

All applications for connections to public water and sewer systems shall give an exact location of the building site, the owner thereof, the licensed county plumber, the builder, size of the property and the name of the public authority into which the water and sewer lines will be connected. No plumbing application will be accepted until proper evidence has been submitted showing proof that the applicant has paid to the appropriate public authority having jurisdiction over such water and sewer systems the fees charged by that public authority.

(1959 Code, § 42-13)

凤§ 1-14-94. FEES.

A fee for each plumbing permit, inspection, etc. shall be paid in accordance with the fee schedule for plumbing permits as adopted by separate resolution of the Board of County Commissioners; but in no event shall the fees charged be more than the costs incurred by the county government.

(1959 Code, § 42-9(a), 42-15) (Ord. 76-12-72, 9-14-1976; Ord. 81-8-198, 3-3-1981; Ord. 81-40-230, 11-17-1981; Ord. 82-17-261, 8-24-1982; Ord. 85-35-367, 9-3-1985; Ord. 87-23-455, 8-4-1987; Ord. 91-21-021, 8-8-1991)

凤§ 1-14-95. TRANSFER.

If the plumber to whom a permit has been issued does not complete the work for which a permit was issued, upon a written request from the owner of the premises for which the permit was issued or other person or entity who hired the plumber to do the work, the permit shall be canceled by the administrative authority. The administrative authority is hereby authorized to issue another permit.

(1959 Code, § 42-9(b)) (Ord. 94-20-115, 10-18-1994; Ord. 10-15-550, 6-8-2010)

■§ 1-14-96. EXPIRATION.

All plumbing permits shall expire 1 year from the date issued except where an extension has been granted by the administrative authority. Any permittee holding an unexpired permit shall be allowed to apply for an extension. Each permit may be extended for one year. The fee for an extension shall be the fee as set by resolution of the Board of County Commissioners.

(1959 Code, § 42-9) (Ord. 91-30-030, 11-12-1991; Ord. 10-15-550, 6-8-2010)

№ 1-14-97. SUSPENSION OR REVOCATION.

The administrative authority shall have the authority to suspend or revoke a permit issued under the provisions of this code wherever the permit is issued in error or on the basis of incorrect, inaccurate or incomplete information, or in violation of any ordinance or regulation or any of the provisions of this code.

(Ord. 10-15-550, 6-8-2010)

■§ 1-14-98. CIVIL PLUMBING INFRACTIONS.

- (A) Pursuant to § 2-2-29 of the Frederick County Code, any violation of any of the provisions of this entire chapter, which is Chapter 1-14 entitled "Plumbing," is a civil plumbing infraction. If, after investigation, a civil plumbing infraction is believed to exist, the Frederick County administrative authority or authorized agent shall deliver a citation or warning to the property owner or any others responsible for the civil plumbing infraction. If the administrative authority or authorized agent is unable to locate the owner or other responsible party, the administrative authority or authorized agent may post the citation or warning in a conspicuous place on the property and mail a copy of same to the owner or other responsible person, which shall be sufficient for delivery of the warning or citation under this section.
- (B) The citation or warning, as provided for in this section, shall be in writing and shall contain the following:
 - (1) The name and address of the person charged or warned;
 - (2) The nature of the violation;
 - (3) The location of the violation;
 - (4) The date(s) of the violation;
 - (5) The amount or potential amount of the fine assessed;
- (6) The manner, location and time in which the fine may be paid, or violation corrected, if applicable;

- (7) The person's right to stand trial for the violation if applicable;
- (8) A certification by the administrative authority or authorized agent attesting to the truth of the matters set forth.
- (C) Whenever an alleged or possible civil infraction comes to the attention of the administrative authority, the following procedures shall apply:
- (1) The administrative authority or authorized agent will investigate whether a violation has occurred;
- (2) If the administrative authority finds that a violation has occurred, a warning will be issued to the person(s) responsible in the form and manner as outlined in this section, with reasonable time stated to abate or to prevent future infractions;
- (3) If the violation continues or is allowed to occur after the reasonable time stated, the administrative authority or authorized agent will issue a citation to the person(s) responsible in the form and manner as outlined in this section. Notwithstanding the provision of step (2) above, the administrative authority or authorized agent may issue a citation at step (2) without the prior issuance of a warning.
- (D) A fine of \$200 shall be imposed upon any person responsible for each civil plumbing infraction. Each day that a violation exists shall be considered a separate civil plumbing infraction. All fines shall be payable to the Treasurer of Frederick County, Maryland, in the Office of the Department of Permits and Inspections.
- (E) A person who receives a citation may elect to stand trial for the civil plumbing infraction by filing with the administrative authority a notice of intention to stand trial. The notice shall be delivered to the administrative authority at least 10 days before the due date for payment of the fines as set forth in the citation. Upon receipt of the notice of intention to stand trial, the administrative authority or authorized agent shall forward to the District Court of Frederick County, Maryland, a copy of the citation and the notice of intention to stand trial. Upon receipt of the citation, the District Court shall schedule the case for trial and notify the defendant of the trial date. All fines, penalties, or forfeitures collected by the District Court for any civil plumbing infraction shall be remitted to the Treasurer of Frederick County, Maryland.
- (F) If a person who receives a citation for a civil plumbing infraction fails to pay the fine by the payment date set forth on the citation and fails to file a notice of intention to stand trial at least 10 days prior to the payment date, a formal notice of the civil plumbing infraction shall be sent to the person's last known address. If the citation is not satisfied within 15 days from the date specified on the notice, the person shall be liable for a fine of \$400 for each civil plumbing infraction. If the citation is not satisfied within 35 days of the date specified on the formal notice, the administrative authority may request adjudication of the case through the District Court by following appropriate civil procedures.

- (G) Adjudication of a civil plumbing infraction under this subsection is not a criminal conviction, nor does it impose any of the civil disabilities ordinarily imposed by a criminal conviction.
- (H) In a proceeding before the District Court, the violation shall be prosecuted in the same manner and to the same extent as set forth for municipal infractions in Md. Code, Art. 23A, § 3(B)(8) through (15). However, the County Attorney is hereby authorized to prosecute all civil plumbing infractions under this section.
- (I) If a person is found by the District Court to have committed a civil plumbing infraction, that person shall be liable for the costs of the proceedings in the District Court.
- (J) Depending on the circumstances of each case and after consultation with the County Attorney, the administrative authority or authorized agent has the discretionary authority to reduce or suspend all or a portion of the fine payable through the Permits and Inspections Office.
- (K) Nothing contained in this section shall prohibit or prevent the administrative authority or authorized agent from seeking other legal remedies, such as injunctions or criminal prosecution.
- (L) Provisions of this section are in addition to, not in lieu of, those penalties specified in other sections of this chapter.
- (M) The fines specified in this section may be modified at any time by resolution of the Board of County Commissioners of Frederick County.

(Ord. 10-15-550, 6-8-2010)

■§ 1-14-99. PENALTIES.

Any person, whether individually or as a member or employee of a partnership, or an officer, agent or employee of a corporation, who directs or knowingly permits any violation of any of the provisions of this chapter, or any rule or regulation duly promulgated hereunder, or who aids or assists therein, either on its own behalf or in the interests of its employer or principal shall, upon conviction thereof by a court of competent jurisdiction, be guilty of a misdemeanor punishable by a fine of not more than \$100 or by imprisonment for not more than 30 days, or both, for each separate violation. Every day such violation exists shall constitute a separate offense and be punishable as such.

(Ord. 10-15-550, 6-8-2010)